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## PATENT ABSTRACTS OF JAPAN

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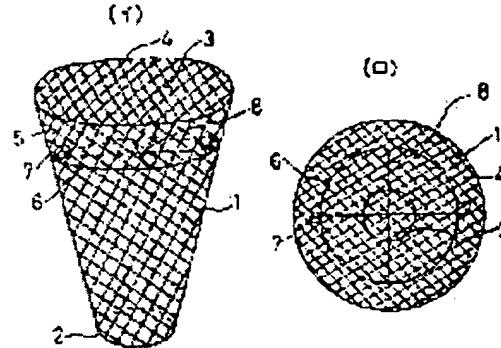
(21)Application number : 07-334155 (71)Applicant : OGAWA TOYOKO  
 (22)Date of filing : 28.11.1995 (72)Inventor : OGAWA TOYOKO

## (54) INSTRUMENT FOR WASHING

## (57)Abstract:

PROBLEM TO BE SOLVED: To enhance practical applicability as device for washing by enabling the use as washings housing box and as net for washing and drying while hanging the washings to expand the range of application while preventing the breakage of the washings.

SOLUTION: In this instrument for washing, a circular frame 2 with the diameter of about 10cm made up of a fine-diameter pipe made of a synthetic resin is arranged as bottom frame and a net material made of a synthetic fiber is used to form an inverted truncated cone-shaped net bag 1 with the upper part thereof opened 3. A string line 6 made of cotton is inserted being drawable over the direction of circumference thereof with a folded part 5 at the upper part thereof at a position slightly below the upper end of the net bag 1. Loops 7 for suspension are provided facing each other at a proper position on the circumference thereof.



## LEGAL STATUS

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CLAIMS

## [Claim(s)]

[Claim 1] wash characterize by counter a location suitably on this periphery and come to prepare the loop for pendants while form a string bag of a reverse truncated cone configuration in which the upper part carry out a opening using a network raw material made from a synthetic fiber by make into a foundation ring an annular frame of 10cm of diameter abbreviation created with a narrow diameter pipe made of synthetic resin, consist a clinch portion in a \*\*\*\*\* location from this string bag upper bed in the upper part and insert in \*\*\*\* of the product [ circumferencial direction ] made from a rear spring supporter and cotton possible [ a constriction ] -- an appliance -- an implement.

[Claim 2] An instrument for wash according to claim 1 characterized by having intersected the interior of a string bag and forming a string for washing-ed connection further.

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[Translation done.]

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## DETAILED DESCRIPTION

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### [Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] wash which can share this invention to filing, its wash, and desiccation of the washing-ed of a stocking, panties, etc. -- an appliance -- it is related with an implement.

[0002]

[Description of the Prior Art] Conventionally, as a network for wash, the thing using the network raw material made from a synthetic fiber is known widely, and the network for wash for brassieres and the wash network for accessories are proposed also in JP,6-312084,A, JP,4-4711,Y, JP,62-199076,U, JP,7-39786,U, etc.

[0003]

[Problem(s) to be Solved by the Invention] However, although it is most which throws in the above-mentioned conventional network for wash in a washer, and is washed, and it hangs a part, and it can be used for desiccation or what is considered as wash basket combination can be seen As objects for wash, such as a stocking and panties, the regio oralis opens the activity of a structure top, a chuck, etc., and the washing-ed comes out, or damage, and are not so suitable. It had the problem which wash liquid cannot permeate fully easily to the interior when it is going to wash a stocking especially, and becomes entangled mutually, and is easy to cause breakage. And there was nothing that can be performed to desiccation of a stocking etc. using the same network bag as a matter of fact, and it was in the condition which cannot but take out from a network and must be dried one by one.

[0004] especially this invention finds out a device in the configuration to the actual condition like \*\*\*\* -- as a washing-ed hold box -- of course -- the network for wash -- carrying out -- as the instrument in which pendant desiccation is possible further as it is -- a field of the invention -- extending -- wash -- an appliance -- it aims at raising the practicability as an implement.

[0005]

[Means for Solving the Problem] The feature of this invention which suits the above-mentioned object makes a foundation ring an annular frame of 10cm of diameter abbreviation created with a narrow diameter pipe made of synthetic resin, and a network raw material made from a synthetic fiber is used. wash which formed a string bag of a reverse truncated cone configuration in which the upper part carries out a opening, countered suitably on this periphery from this string bag upper bed in a location, and established a loop for pendants while consisting a clinch portion in the upper part in a \*\*\*\*\* location and inserting \*\*\*\* made from a rear spring supporter and cotton in a circumferencial direction possible [ a constriction ] -- an appliance -- it is in a configuration of an implement. Moreover, this invention is characterized also by forming a string for washing-ed connection which intersects the interior of a string bag mutually in addition to the above-mentioned configuration.

[0006]

[Function] Meet the inner surface of the container of the shape of a bucket, and the wastebasket in the upper part of a string bag, it makes a clinch and its lower part meet a base and a side attachment wall, and the above-mentioned instrument for this invention wash is contained, throws in and keeps the washing-ed, such as a stocking and panties, and equips wash with it. And removing from a container, carrying out the constriction of the \*\*\*\* of the cotton which is in a \*\*\*\*\* location from an up location on the occasion of wash, and holding the washing-ed, it supplies to a washer and washes. At this time, the annular frame of the narrow diameter pipe stretched on the base with the stream moves together, and from a network portion within the limit, wash liquid permeates enough in a stocking and heightens a cleaning effect.

[0007] Moreover, unlike a synthetic fiber, if \*\*\*\* made from cotton sinks in, an effect with a bundle will increase further and it will not unravel underwater. After the completion of wash is taken out from the inside of a washer, remains as it is, uses the loop for pendants, and is made to hang and dry it with a drying place beam etc. Thus, it is used as it is from hold of the washing-ed, such as a stocking and panties, to the desiccation after wash.

[0008]

[Embodiment of the Invention] Hereafter, with reference to an accompanying drawing, this invention is explained further. wash which drawing\_1 requires for this invention -- an appliance -- since the string bag which is an implement is shown, 1 is the string bag formed reticulated with synthetic fiber yarn, such as nylon and polyester, percolation of wash liquid falls if the magnitude of a mesh is too small not much, and the washing-ed tends to fall on the other hand if too not much large, about 4-16 meshes are usually suitable.

[0009] And this string bag 1 makes a foundation ring the annular frame 2 created with the narrow diameter pipe made of synthetic resin, the opening frames 4 which form a opening 3 in a top chord, such as thread and a string, are arranged, and it is created by the reverse truncated cone configuration of necessary height with the above-mentioned reticulated raw material, and from the upper bed, it leaves the up clinch portion 5 to a \*\*\*\*\* location, and insertion maintenance of the constriction of \*\*\*\* 6 for rear-spring-supporter constrictions is enabled at the circumferencial direction.

[0010] If the annular frame 2 which constitutes the above-mentioned foundation ring is too small not much, a stocking etc. tends to be involved at the time of wash, and cannot pass wash liquid easily, either. However, since it is not different from wash within a washer if too large, it is usually effective to consider as about 10cm of diameter abbreviation.

[0011] Moreover, it is seldom necessary to lower the location of \*\*\*\* 6 for constrictions to a lower part location, and at least 5cm lower part is [ that the clinch portion 5 of length should just consist in the upper part suitably ] usually more suitable for it than an upper bed.

Since it does not loosen with a bundle by impregnation as \*\*\*\* 6 for constrictions, it is suitable that it is a product made from cotton, and Nunn Ron etc. does not have easy and desirable \*\*\*\*\* in underwater. In addition, the loop 7 for pendants is formed in the location which countered further on the same periphery in relation to above-mentioned \*\*\*\* 6 for constrictions like a graphic display. Although you may form in \*\*\*\* 6 the very thing in consideration of a constriction by \*\*\*\* 6, this loop 7 for pendants may be separately formed in the network section of the portion which becomes a pendant location, when the constriction of the upper part is carried out. However, it must be made for this loop for pendants not to have to check a wash operation at the time of wash.

[0012] Moreover, in order to prevent a tangle of a stocking etc. at the time of wash, it is suitable to form the string 8 which hooks and holds a stocking etc. within a string bag 1, as shown in drawing 1 (b). If such a string 8 for connection is good, he closes filing of the washing-ed in a string bag 1.

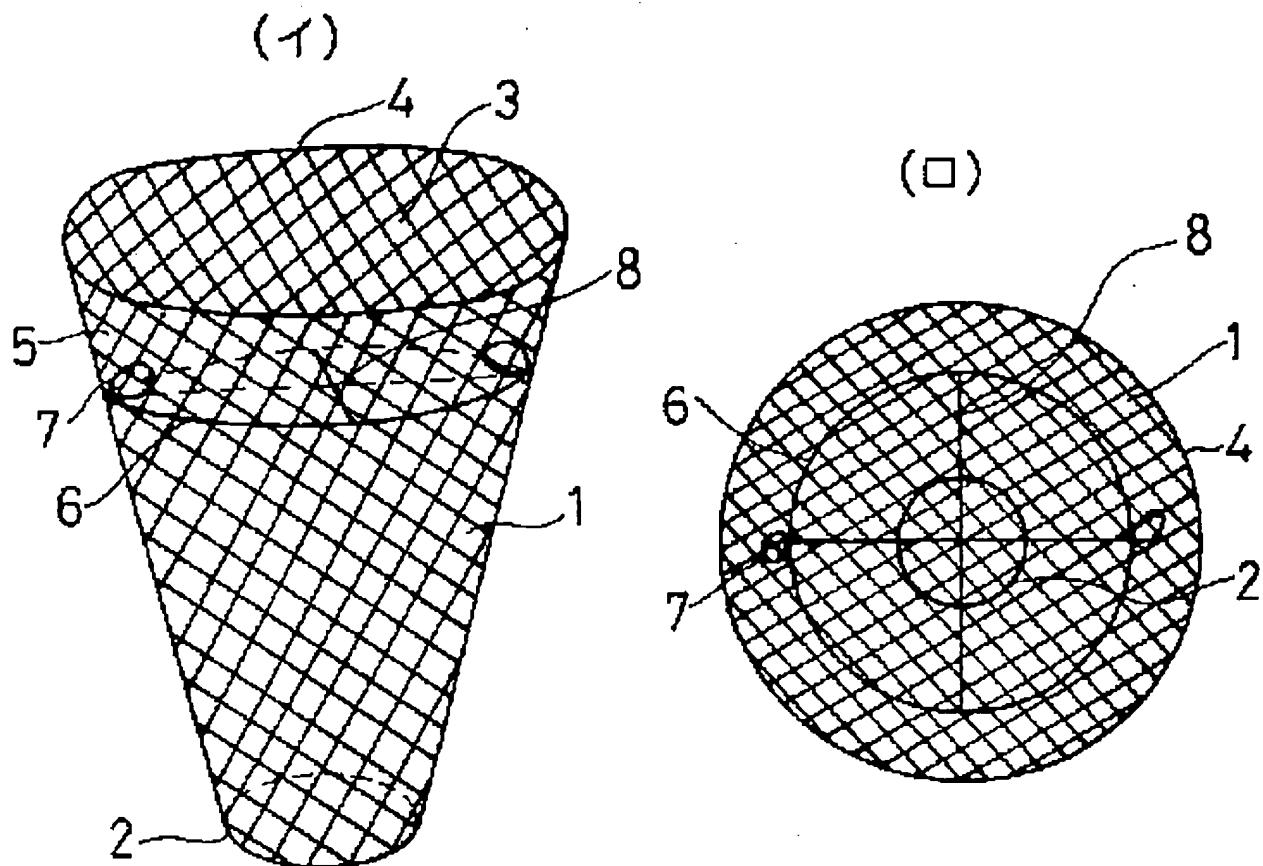
[0013] This invention has the above configurations, is convenient for charge storage of the washing-ed polluted when making the upper part meet the container 9 interior, such as a clinch and a wastebasket, as shown in drawing 2, and does not accumulate the washing-ed to wash. Moreover, if a string bag 1 is picked out from a container 9 as it is, the regio oralis is firmly extracted like drawing 3 with the string 6 for constrictions and it supplies to a washer on the occasion of wash, wash will become possible as it is. And after wash is completed, if ejection and this loop 7 are inserted in the drying place beam 10 etc. like drawing 4 from the inside of a washer with the loop 7 for pendants, it can dry as it is and is efficient.

[0014]

[Effect of the Invention] This invention leaves the clinch section to the string bag which has a base by the annular frame of 10cm of diameter abbreviation as mentioned above, and was constituted by the reverse truncated cone configuration, and inserts \*\*\*\* for constrictions made from cotton in it. And while establish the loop for pendants, it is lightweight since an annular frame is a narrow diameter pipe made of synthetic resin in 10cm of diameter abbreviation, and having flexibility and fully securing percolation of the wash liquid from a base at the time of wash. The configuration can be maintained, a tangle by high density of the washing-ed can be prevented, and the wash effect of the washing-ed in a string bag can be heightened more. And it has the advantage which can make ventilation good by existence of the annular frame like the above at the time of desiccation, can make stripping of moisture good in the case of nylon stockings etc., and can raise a drying effect. Moreover, since this invention uses \*\*\*\* made from cotton as \*\*\*\* for constrictions, unlike a synthetic-fiber line, it does not have slipping in a constriction, can raise a constriction operation by impregnation in underwater, and can carry out certain inhibition of the escape out of the bag of the washing-ed. the time and effort which this invention can perform from storage filing of the washing-ed to desiccation after wash consistently with existence of a clinch portion and existence of the loop for pendants, and is inserted or removed with a clothespin in this way -- unnecessary -- moreover -- handling -- convenient -- wash -- an appliance -- practicability is size very much as an implement. If it uses for wash of the stocking for women, or panties, especially this invention instrument tends to remove a public look, and is suitable.

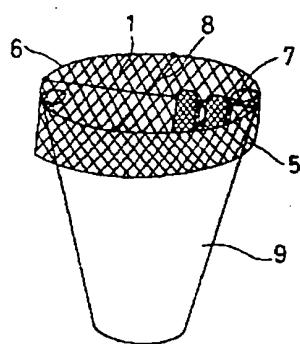
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Drawing selection drawing 2

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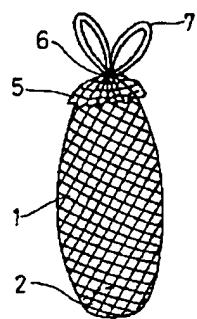


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[Translation done.]

Drawing selection drawing 3

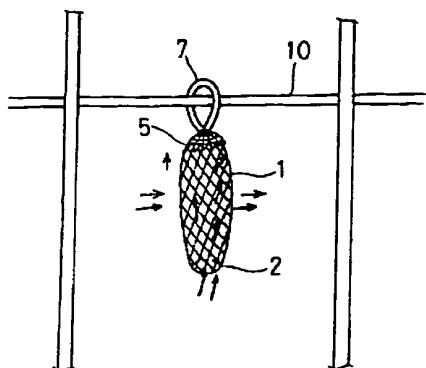
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[Translation done.]

Drawing selection drawing 4



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